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(54) PREPARATION OF CONTINUOUS FOAMED MATERIAL OF ETHYLENE POLYMER OR ETHYLENE COPOLYMER

(57) Abstract:

PURPOSE: To prepare the captioned continuous foamed material in comparatively low cost, industrially and easily by a method wherein foaming compound containing two kinds of crosslinking agent different in decomposition temperatures is heat-treated and compressed under a specific condition.

CONSTITUTION: A compound in which a mixture of foaming agent, crosslinking agent with decomposition temperatures of 155° C or less and crosslinking agent with decomposition temperatures of 165° C or more is mixed with ethylene polymer or ethylene copolymer for a given time. After the 1st intermediate bridged when the decomposition rate of the mixed foaming agent is of 60% or less is generated, it is heated again at a higher temperature and the remaining foaming agent and the remaining crosslinking agent are decomposed to generate the 2nd intermediate having independent foams easy to break down. The intermediate is compressed nearly at temperatures 0W40° C to break the independent foams and to produce continuously foamed material.

USE: Toilet articles (puffs etc.), daily necessities (scrubbing brushes, window wipers, etc.), medical supplies, industrial articles (cushions etc.), office supplies, sports requisites, clothing requisites, body requisites, footgears, gardening articles, packing supplies.

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